



Allied Telesyn
International

**CentreCOM
AT-MX10S
10BASE2 Micro Transceiver User Manual**

Overview

The Micro Ethernet Transceiver Series of products are direct-attach IEEE 802.3 and Ethernet Version 1.0 and 2.0 devices. ATI supports all common Ethernet media with Micro Transceivers for thin coax (10BASE2), UTP (10BASE-T) and Fiber Optic (10BASE-FL, FOIRL) LAN systems. The transceivers support a single AUI that attaches directly to the AUI 15-pin connection found on most Ethernet stations (DTEs). Direct AUI connection reduces cabling costs for the installer.

All ATI transceivers are equipped with LEDs providing status and diagnostic information. LEDs make LAN installation and troubleshooting easy for the installer. An easily accessible, user-selectable SQE Test switch (heartbeat) is also provided on all models. ATI uses quality product packaging for increased reliability. ATI shows a high level of confidence in these micro transceiver products which come with a 5 year warranty.

Preparation

An SQE Test switch is available to provide IEEE 802.3 Ethernet SQE Testing. If required, place the SQE Test switch to the "ON" position. The amber LED indicates the SQE Test is enabled. If the DTE does not require an SQE Test, or if the DTE is a repeater, place SQE Test switch to "OFF." The green LED indicates the SQE Test is disabled. Disable the heartbeat function by turning the SQE Test switch "OFF" when the Ethernet MAU is connected to a repeater to eliminate the possibility of excessive collisions.

Installation

The AT-MX10S connects directly to a DTE or workstation AUI connector. Plug the transceiver into the 15-pin AUI connection on the DTE and slide the connector latch into place. Power on the DTE and verify that the Power LED is lighted. Check to ensure that the SQE Test setting is appropriate for equipment per the above requirements. Plug a BNC-T into the AT-MX10S MAU located at end of Ethernet segment. Attach 50 W terminator to vacant side of "T" connector. If the AT-MX10S is located in the middle of a segment, connect the "T" to the AT-MX10S and attach thin coax segments to each side of the "T." IEEE 802.3 Specifications: 185m (606 ft.) maximum cable length, maximum of 30 MAU transceiver attachments.

Allied Telesyn Limited Warranty

Allied Telesyn (ATI) warrants to the original consumer/purchaser that each of its products, and all components thereof will be free from defects in materials and/or workmanship for 5 years (for the Micro Transceiver series of Products) from the original date of purchase. Any warranty hereunder is extended to the original consumer/purchaser and is not assignable.

In the event of a malfunction or other indication of product failure attributable directly to faulty workmanship and/or materials, ATI will, at its option, repair or replace the defective products or components at no additional charge as set forth herein. Repair or replacement product will be furnished on an exchange basis and will be either reconditioned or new at the option of ATI. All replacement parts become the property of ATI. This limited warranty does not include service or repair damage to the product resulting from accident, disaster, misuse, neglect or modification of the product.

Service under this warranty may be obtained by returning the product to ATI, and only after receiving authorization by ATI by issuance of a Return Material Authorization (RMA) number, with shipping charges prepaid, in the original shipping container or like container, and with proof of date of purchase included with the returned product. The RMA number MUST be marked clearly visible on the outside of the shipping container. Any material returned without such RMA markings shall be rejected and returned to sender unopened. There shall be no warranty for either parts or labor after the expiration date of 5 years (for the Micro Transceiver Series of Products) from the original date of purchase, unless the original consumer/purchaser has purchased an Extended Warranty. Warranty beyond the fifth year is subject to the terms of the extended warranty program purchased.

Products will be returned to the consumer after repair or replacement has been completed and by the carrier and method of delivery chosen by ATI, to any destination within the United States of America. If the consumer desires some other specific form of conveyance, or it is located beyond the U.S.A. borders, then the customer shall bear the cost of the return shipment.

ATI MAKES NO EXPRESS OR IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY. IN NO EVENT

SHALL ATI BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, COSTS, OR EXPENSES ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE PRODUCT DELIVERED HEREUNDER.

Some governments do not allow the exclusion or limitation of incidental or consequential damages for consumer products, so the above limitation of exclusion may not apply to you.

U.S. FEDERAL COMMUNICATIONS COMMISSION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes and Modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission rules.

CANADIAN DEPARTMENT OF COMMUNICATIONS

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

Lé présent appareil numérique n'émet pas de bruits radio électriques dépassant les limites applicables aux appareils numériques de Classe A prescrites dans le règlement sur le brouillage radio électrique édicté par le ministère des Communications du Canada.

BESCHEINIGUNG DES HERSTELLERS/IMPORTEURS

Hiermit wird bescheinigt, dass der MX10S Micro Transceiver in Uebereinstimmung mit den Bestimmungen der Vfg. 1046/1984 funk-entsstoert ist. Der Deutschen Bundespost wurde das Inverkehrbringen dieses Geraetes angezeigt und die Berechtigung zur Ueberpruefung der Serie auf Einhaltung der Bestimmungen eingeraeumt. Von Benutzer zusammengestellte Systeme, die dieses Geraet beihalten, muessen den Bestimmungen von Vfg 1046/1984 entsprechen.

SAFETY



LIGHTNING DANGER

DANGER: DO NOT WORK on equipment or CABLES during periods of LIGHTNING ACTIVITY.



Operating temperature

This product is designed for a maximum ambient temperature of 40 degrees C.

Environmental Air Notice

CAUTION: UL listed for use in other Environmental Air Spaces in Accordance with Article 300-22(C) of the U.S.A National Electrical Code. Note: Product is not Plenum rated.

All Countries: Install product in accordance with local and National Electrical Codes.

SICHERHEIT



GEFAHR DURCH BLITZSCHLAG

GEFAHR: Keine Arbeiten am Gerät oder an den Kabeln während eines Gewitters ausführen.



BETRIEBSTEMPERATUR

Dieses Produkt wurde für den Betrieb in einer Umgebungstemperatur von nicht mehr als 40° C entworfen.

Alle Länder: Installation muß örtlichen und nationalen elektrischen Vorschriften entsprechen.

SIKKERHED



FARE UNDER UVEJR

FARE: UNDLAD at arbejde på udstyr eller KABLER i perioder med LYNAKTIVITET.



BETJENINGSTEMPERATUR

Dette apparat er konstrueret til en omgivende temperatur på maksimum 40 grader C.

Alle Lande: Installation af produktet skal ske i overensstemmelse med lokal og national lovgivning for elektriske installationer.

VEILIGHEID



GEVAAR VOOR BLIKSEMINSLAG

GEVAAR: NIET aan toestellen of KABELS WERKEN bij BLIKSEM.

Bedrijfstemperatuur:

De omgevingstemperatuur voor dit produkt mag niet meer bedragen dan 40 graden Celsius.

Alle landen: het toestel installeren overeenkomstig de lokale en nationale elektrische voorschriften.

SECURITE**DANGER DE FOUDRE**

DANGER: NE PAS MANIER l'équipement ou les CABLES pendant les périodes d'activité orageuse.

TEMPERATURE DE FONCTIONNEMENT

Ce produit est capable de tolérer une température ambiante maximum de 40 degrés Celsius.

Pour tous pays: Installer le produit conformément aux normes électriques nationales et locales.

TURVALLISUUS**SALAMANISKUVAARA**

HENGENVÄÄRÄ: ÄLÄ TYÖSKENTELE laitteiden tai KAAPELEIDEN KANSSA SALAMOINNIN AIKANA.

KÄYTTÖLÄMPÖTILA

Tämä tuote on suunniteltu ympäriovän ilman maksimilämpötilalle 40°C.

Kaikki maat: Asenna tuote paikallisten ja kansallisten sähköturvallisuusmääräysten mukaisesti.

NORME DI SICUREZZA**PERICOLO DI FULMINI**

PERICOLO: NON LAVORARE sul dispositivo o sui CAVI durante PRECIPITAZIONI TEMPORALI.

Temperatura di funzionamento

Questo prodotto è concepito per una temperatura ambientale massima di 40 gradi centigradi.

Tutti i paesi: installare il prodotto in conformità alle vigenti normative elettriche nazionali.

SIKKERHET**FARE FOR LYNANTENNELSE**

FARE: MÅ IKKE BRUKES på utstyr eller ledninger mens LYN-AKTIVITET er i gang.

Driftstemperatur

Dette produktet har blitt fremstilt til bruk med maksimum romtemperatur på 40 grader celsius.

Alle land: Produktet må installeres i samsvar med de lokale og nasjonale elektriske koder.

SEGURANÇA**PERIGO DE CHOQUE CAUSADO POR RAIÓ**

PERIGO: NÃO TRABALHE no equipamento ou nos CABOS durante períodos suscetíveis de QUEDAS DE RAIÓ.

TEMPERATURA DE FUNCIONAMENTO

Este produto foi projetado para uma temperatura ambiente máxima de 40 graus centígrados.

Todos os países: Instale o produto de acordo com as normas federais e locais para instalações elétricas.

SEGURIDAD**PELIGRO DE RAYOS**

PELIGRO: NO REALICE NINGUN TIPO DE TRABAJO O CONEXION en los equipos o en LOS CABLES durante TORMENTAS DE RAYOS.

Temperatura requerida para la operación

Este producto está diseñado para una temperatura ambiental máxima de 40 grados C.

Para todos los países: Monte el producto de acuerdo con los Códigos Eléctricos locales y nacionales.

SÄKERHET



FARA FÖR BLIXTNEDSLAG

FARA: ARBETA EJ på utrustningen eller kablarna vid ÅSKVÄDER.



DRIFTSTEMPERATUR

Denna produkt är konstruerad för rumstemperatur ej överstigande 40 grader Celsius.

Alla länder: Installera produkten i enlighet med lokala och statliga bestämmelser för elektrisk utrustning.

STANDARDS: This product meets the following standards:

RFI Emission EN55022 Class B

Immunity EN50082-1

Electrical Safety EN60950, UL1950, CSA 950

NORMES: ce produit est conforme aux normes de suivantes:

Emission d'interférences radioélectriques EN55022 Classe B

Immunité EN50082 - 1

Sécurité électrique EN60950, UL1950, CSA 950

NORMEN: Dieses Produkt erfüllt die Anforderungen der nachfolgenden Normen.

Hochfrequenzstörung EN55022 Klasse B

Störsicherheit EN50082-1

Elektrische Sicherheit EN60950, UL1950, CSA 950

この装置は、第二種情報装置（住宅地域又はその隣接した地域において使用されるべき情報装置）で住宅地域での電波障害防止を目的とした情報装置装置等電波障害自主規制協議会（VCCI）基準に適合しております。

しかし、本装置をラジオ、テレビジョン受信機に近接してご使用になると、受信障害の原因となることがあります。

取扱説明書に従って正しい取り扱いをして下さい。

For more information on ATI products available today and in the future, contact your local ATI representative:

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